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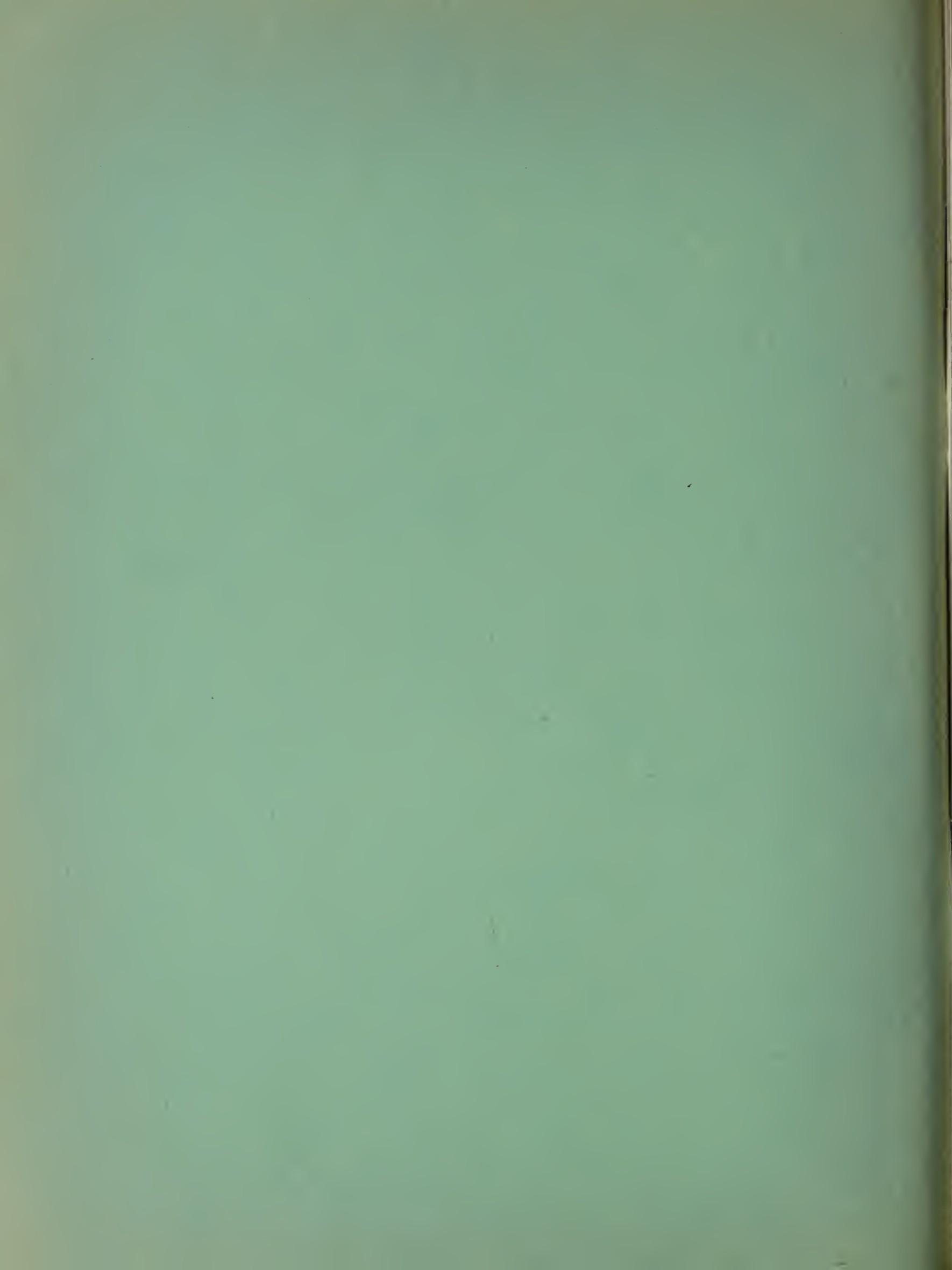
✓ FEDERAL-STATE COOPERATIVE
SNOW SURVEYS AND IRRIGATION WATER FORECASTS
for
✓ **Montana and Yellowstone River
Tributaries in Wyoming**

✓ By
Division of Irrigation, Soil Conservation Service
United States Department of Agriculture
and
Montana Agricultural Experiment Station

In cooperation with the U. S. Forest Service, U. S. Geological Survey, National Park Service, U. S. Bureau of Reclamation, State Engineers of Montana and Wyoming and other Federal, State and local organizations.

As of

APR. 1, 1950



FEDERAL-STATE COOPERATIVE
SNOW SURVEY AND IRRIGATION WATER FORECASTS

FOR
MONTANA and NORTHERN WYOMING

Upper Missouri and Upper Columbia River
Basins

Report Prepared
by

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Division of Irrigation
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Bozeman, Montana

APRIL 1 1950
OUTLOOK FOR
IRRIGATION WATER SUPPLY
FROM SNOW SURVEYS

The release of this bulletin has been withheld until after the annual meeting of the Upper Missouri River Water Committee held on April 11, 1950 in order to express the general opinion of that group.

JEFFERSON.

The Jefferson River basin has a "FAIR" supply of snow water for this season. Many of the measurements indicate a below average snow water content but not serious enough to become alarming. Most of the snow courses are only three years old and yet stand up well with Elk Horn and Miner Lake where longer records are available.

MADISON:

On the Madison River basin there is an "EXCELLENT" snow pack which indicates a stream flow 30% above the average from snow melt runoff.

GALLATIN:

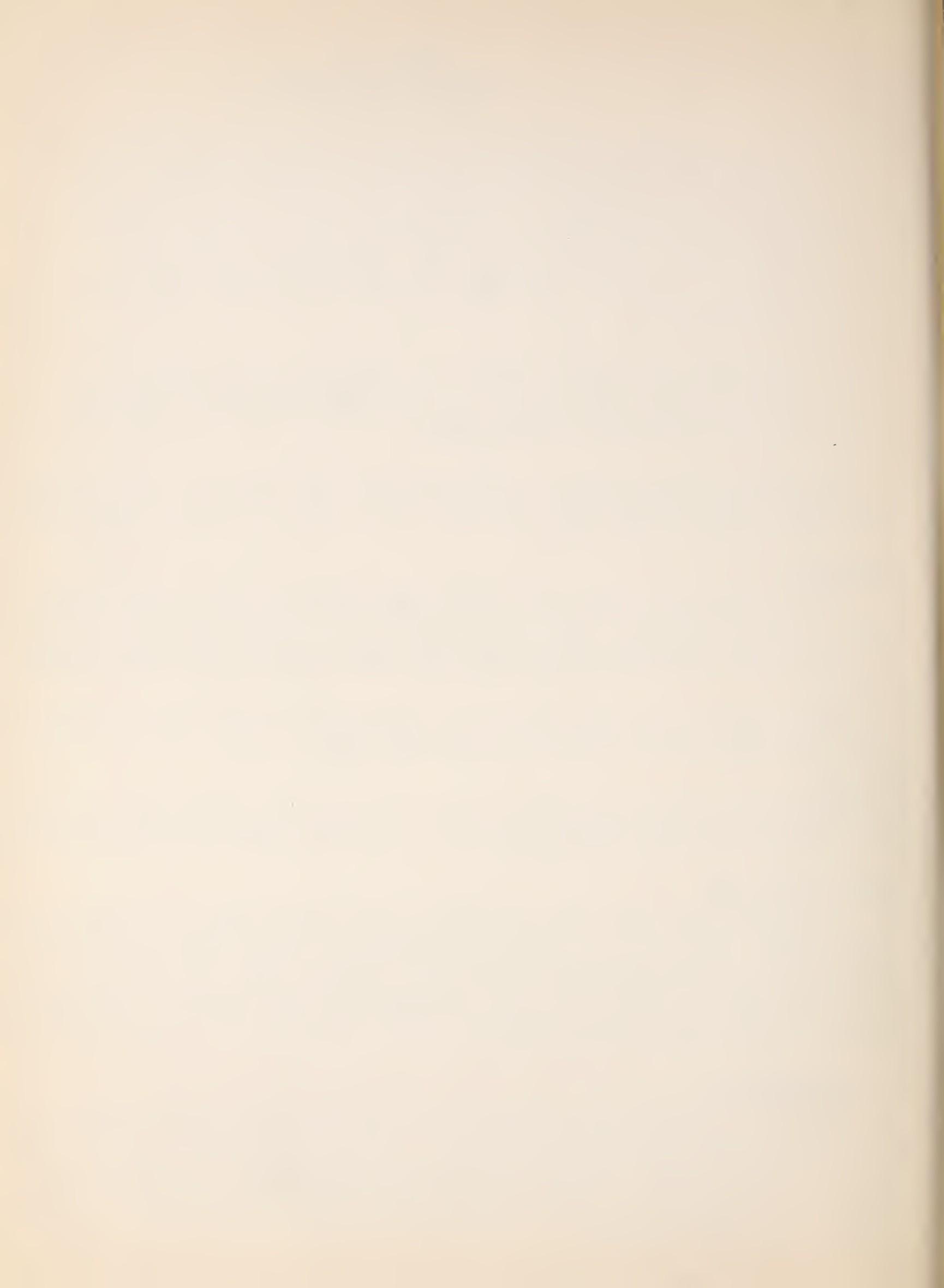
The Gallatin basin indications are close to average for twelve years of record. With a good spring season, there should be no irrigation water shortage this season other than the usual late deficiency.

MISSOURI MAIN STEM:

The Missouri Main Stem from Three Forks to Fort Benton should flow about average volume judging from records of the past twelve years. The tributary basins to the northwest will, however, be considerably higher in proportion. The Sun, Teton and Marias Rivers show an "EXCELLENT" water supply for this coming runoff season. The Milk and Musselshell rivers have close to average snow water content. May measurements to be made on the upper reaches of the Milk are apt to give a better indication of actual flow by the end of this month.

UPPER YELLOWSTONE.

The Upper Yellowstone River basin is in "FAIR" shape being rather spotted in its above-average figures through Yellowstone Park and the below-average figures along the Absorkee to the northern Big Horn Range. This below average condition is more pronounced on the eastern slopes of the Big Horn Mountains where a definite below average condition exists. Reservoir management on these two rivers should be closely watched to provide water for late irrigation if possible. Crop planning should be revised to meet the situation.



LOWER YELLOWSTONE:

The Wind River and Big Horn River are in "GOOD" to "EXCELLENT" shape where an above average snow pack has been measured on most of the snow courses. The older courses indicate about 30% above average. The Popo Agie River basin above Lander has an exceptionally large supply of water for irrigation this season.

UPPER COLUMBIA RIVER BASIN:

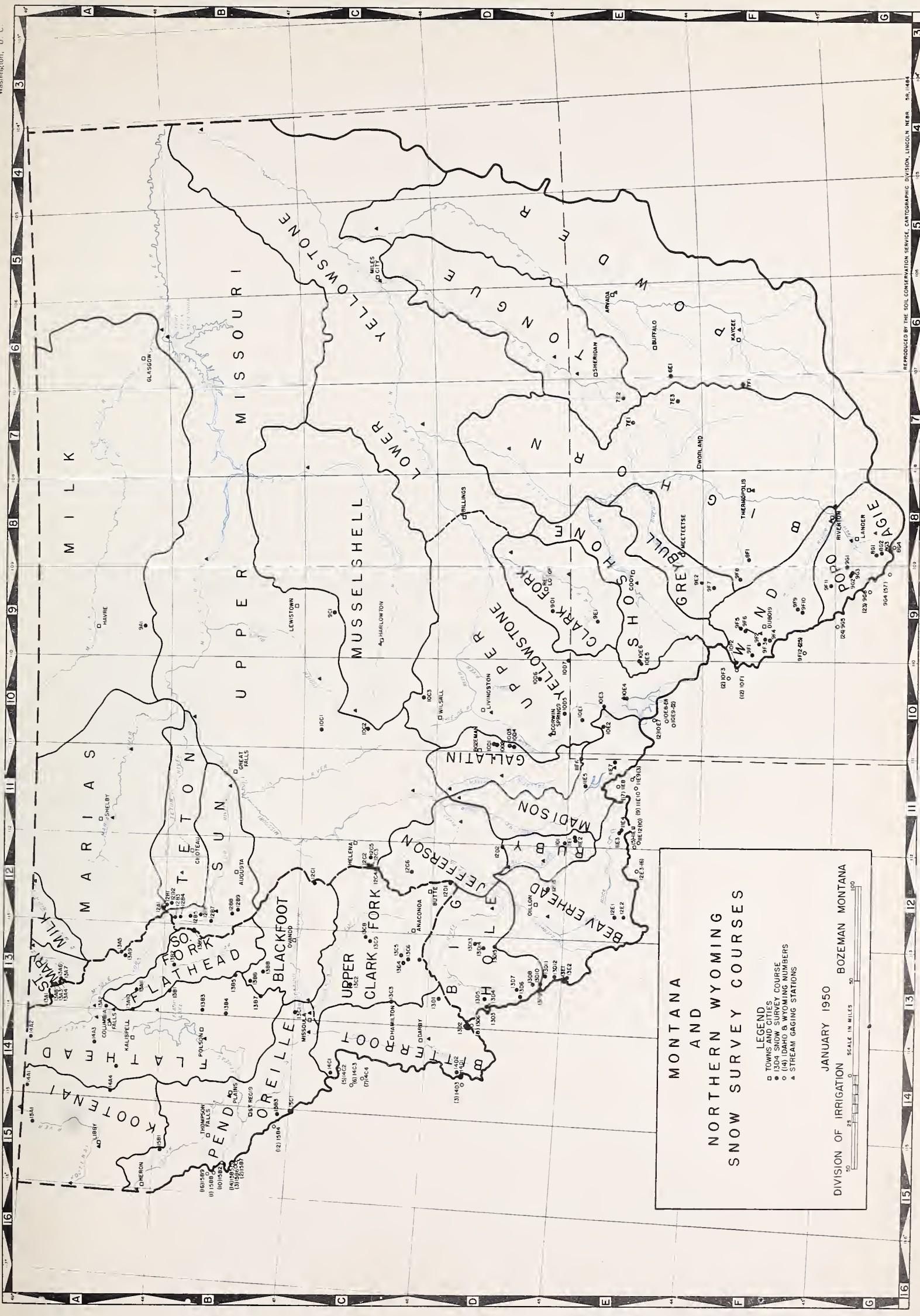
The Upper Columbia River basin snow survey measurements indicate an "EXCELLENT" snow water supply for this coming season. The northern tributaries, Kootenai and Flathead have many snow courses where alltime high water content measurements exist. Accumulated precipitation records parallel these figures. Snow measurements on the Clarks Fork are also above average, the runoff, however, will not be in such large proportions as the Flathead and Kootenai. Snow measurements on the Kootenai basin in Canada indicate an above average seasonal runoff from that portion of the basin.

Once again for the third consecutive year a FLOOD POTENTIAL exists on the Upper Columbia River basin. Abnormally high temperatures accompanied by rain storms will certainly bear watching by all residents having installations in and close to the river channels.

PRELIMINARY ESTIMATES OF RUNOFF AT A NUMBER OF
REPRESENTATIVE GAGING STATIONS IN MONTANA
Soil Conservation Service - Division of Irrigation

<u>NAME OF STREAM</u>	<u>PERIOD AND VOLUME FORECAST IN ACRE FEET</u>		
	<u>May - June</u>	<u>July-August-Sept.</u>	<u>May - Sept.</u>
<u>MISSOURI BASIN:</u>			
Gallatin River at Gateway	242,000	123,000	365,000
Hyalite Creek at Ranger Station	19,800	11,000	35,000
North Fork Musselshell at Delpine	3,570	1,780	5,350
Yellowstone River at Corwin Springs	1,039,000	831,000	1,870,000
Clarks Fork River at Chance	49,200		
Red Lodge River above Cooney Reservoir	14,590	<u>May-June-July</u> 7,930	22,520
Missouri River at Fort Benton	2,375,000		
<u>LOWER YELLOWSTONE:</u>	<u>April-June</u>	<u>April-September</u>	
Popo Agie River at Riverton		550,000	
Wind River at Riverton		750,000	
Shoshone River below Shoshone Dam		1,000,000	
<u>COLUMBIA RIVER BASIN:</u>			
Bitterroot River at Darby	570,000	685,000	1,255,000
Clark Fork above Missoula	1,520,000	1,820,000	3,340,000
Clark Fork below Missoula	2,850,000	3,330,000	6,180,000
Clark Fork at St. Regis	3,750,000	4,370,000	8,120,000
Flathead River at Columbia Falls	7,004,000	8,975,000	15,979,000
Flathead River at Polson	7,309,000	10,075,000	17,584,000
Clark Fork River at Plains	8,580,000	14,900,000	23,480,000
Clark Fork River at Heron	9,800,000	16,900,000	26,700,000

Note: All estimated volumes subject to a discrepancy of plus or minus 10 to 15%.



INDEX TO DATA - PRECIPITATION AND SNOW COUPSES

Location												Location											
Drainage Basin and Course Name	Montana Number	Sec. elev.	Lat.	Range Twp.	Long.	Record Began	Measuring Dates ^a	Measured By ^b	Drainage Basin and Course Name	Montana Number	Sec. elev.	Lat.	Range Twp.	Long.	Record Began	Measuring Dates ^a	Measured By ^b						
<u>JEFFERSON RIVER (Rocky Mountain)</u>																							
<u>Missouri River Drainage</u>																							
Lakeview Ridge	11E3	7L00	27	11S	2W	1948	3,4,5	9	Beavers Hill	9F8	6900	6	43N	102W	1948	2,3,4,5	Pd.Obs.						
Lakeview Canyon	11E4	6930	20	11S	2W	1948	3,4,5	9	Owl Creek	8F1	6700	30	43N	101W	1948	2,3,4,5	Pd.Obs.						
Linekiln	11E2	6950	15	5S	9W	1948	3,4	1	Tensleep R.S.	7E3	5300	30	49N	86W	1935	4,5	1						
White Pine Ridge	11E1	6850	16	11S	9W	1948	3,4	1	Timber Creek	9E2	6800	25	47N	103W	1948	4,5	1						
(nukje PRAIRIE)									Ranger Creek	7E1	6800	32	53N	88W	1935	4,5	1						
bloody Dick	13D10	7600	12	6S	10W	1948	3,4	1	Wood River	9F7	8000	28	46N	103W	1939	2,3,4,5	1						
Sold Stone	13D9	6103	11	6S	10W	1948	3,4	1	(SNAKE RIVER) WYO.														
Lenni Pass	13E1	7400	9	10S	15W	1948	3,4	1	East Entrance	10E0	7000	17	52N	109W	1948	1,2,3,4,5	5						
Jerrell Creek	13D12	6650	14	9S	15W	1948	3,4	1	Sylvan Pass	10E5	7100	12	52N	110W	1936	1,2,3,4,5	5						
Trail Creek	13E2	7090	15	10S	15W	1948	3,4	1	TONGUE RIVER WYO.														
Selway Junction	13D11	6500	27	6S	15W	1948	3,4	1	Big Goose	7E2	7700	4	53N	86W	1935	4,5	1						
(PI HOLE)									POWDER RIVER WYO.														
Big Hole Pass	13D3	7440	28	3S	16W	1948	3,4	1	Red Fork	7E1	7000	18	43N	85W	1936	4,5	Pd.Obs.						
Big Hole Pass (below)	13D4	6900	24	3S	16W	1948	3,4	1	Sour Dough	6E1	8500	17	49N	84W	1936	4,5	1						
East Boundary	13D5	6700	22	3S	17W	1948	3,4	1															
Tibbles Pass	13D2	7100	4	2S	19W	1934	2,3,4,5	1,2															
Jahneke Creek	13D8	7310	25	7S	10W	1948	3,4	1															
Miner Forks	13D6	7300	24	6S	17W	1948	3,4	1															
"inner Lake	13D7	6720	10	6S	16W	1945	3,4,5	1															
(WISE RIVER)																							
Anderson Mdw.	13D14	7000	18	3S	12W	1948	3,4	1	KOOTENAI RIVER														
Flk Horn	13D15	8450	15	4S	12W	1934	3,4,5	2	Baree Mountain	15B1	6000	1	25N	31W	1937	4,5	1						
Wise River	13D13	6300	15	2S	12W	1948	3,4	1	Blue Bird Basin	14A1	6800	24	37N	26W	1937	4,5	1						
(RUBY RIVER)									Brush Creek	14A1	5000	13	30N	18W	1911	3,4	1						
Cottonwood	11E2	5900	24	10S	3W	1948	3,4	1	Red Mountain	15A1	6000	4	36N	29W	1937	3,4,5	1						
Cottonwood (Upper)	11E1	8400	30	10S	2W	1948	3,4	1	FLATHEAD RIVER														
Flashlight	12D3	6950	22	8S	7W	1945	3,4,5	1	Big Creek	13B3	6750	6&7	22N	18W	1911	4,5	4						
Tobacco Root	12D2	6900	13	4S	3W	1948	3,4	1	Brush Creek	14A1	5000	13	30N	26W	1937	3,4	1						
Vigilante	11D1	6125	28	9S	3W	1948	3,4	1	Cattle Queen	13A1	4700	7	35N	17W	1939	3,4	5						
(MADISON RIVER)									Desert Mountain	13A2	5600	24	31N	19W	1937	1,2,3,4,5	1						
nebgen	11E5	6550	22	11S	3E	1934	1,2,3,4,5	2	Elk Mountain	13B4	6750	1	20N	19W	1911	3,4	4						
West Yellowstone	11E7	6700	34	13S	5E	1934	1,2,3,4,5	2	Goat Mountain	12B7	7000	20	22N	10W	1934	3,4	2						
Norris Basin	10E2	7500	44°-44'	110°-42'		1935	3,4	5,6	Hell Roaring Divide	14A3	5770	35	32N	22W	1942	4,5	1						
(JALATIN RIVER)									Kishenehn	14A2	4300	7	37N	21W	1916	4,5	5						
Devil's Slide	10D4	8100	14	5S	6E	1935	3,4,5	2,6	Limestone Pass	13B8	7000	34	37N	15W	1918	3,4	1						
Hood Meadow	10D3	6600	22	4S	6E	1934	3,4,5	2,6	Logan Creek	14A5	4300	34	30N	24W	1937	3,4	1						
Mystic Lake	10D2	6600	30	3S	7E	1935	2,3,4	6,7	Marias Pass	13A5	5250	34	30N	11W	1934	1,2,3,4,5	2						
New World	10D1	6700	24	3S	6E	1939	2,3,4,5	9,7	North Fork Jocko	13B7	6330	3	37N	17W	1911	3,4	4						
21-mile	11E6	7150	1	11S	5E	1934	1,2,3,4,5	2	Rainy Lake	13B6	4300	11	18N	16W	1947	3,4,5	1						
(MISSOURI RIVER MAIN STEM)									Snow Lab. # 16	13A9	5200	15	29N	11W	1916	1,2,3,4,5	2						
Chessman Reservoir	12C5	6200	2	8N	5W	1936	1,2,3,4,5	2	Spotted Bear Mt.	13B2	7000	23	25N	15W	1918	3,4	1						
Crystal Lake	9C1	6100	24	12N	17E	1941	3,4	1	Strawberry Lake	13B10	6500	11	28N	19W	1918	3,4	1						
Grasshopper	10C2	7000	19	9N	8E	1938	3,4	1	Trout Lake	13B11	3600	21	28N	17W	1948	3,4	1						
Kings Hill	10C1	7950	35	13N	7E	1937	3,4,5	2	Upper Holland Lake	13B5	7000	28	20N	16W	1948	3,4	1						
Picnic Grounds	12C6	6500	22	5N	6W	1940	2,3,4	3	UPPER CLARK FORK														
Pipestone Pass	12D1	7200	11	1N	7W	1938	2,3,4,5	1	Chessman Reservoir	12C5	6200	2	8N	5W	1936	1,2,3,4,5	2						
Stemple Pass	12C1	6900	10	13N	7W	1934	3,4,5	2	East Fork Ranger Stn	13D1	5400	16	2N	17W	1937	4	1						
Tennile Creek, Lower	12C2	6250	13	8N	6W	1935	1,2,3,4,5	2	El Dorado Mine	13C9	7800	23	8N	12W	1946	4	11						
Tennile Creek, Middle	12C3	6800	13	8N	6W	1934	1,2,3,4,5	2	Gold Creek Lake	13C8	7200	14	8N	12W	1946	4	11						
Tennile Creek, Upper	12C4	8000	19	8N	5W	1935	1,2,3,4,5	2	Intergaard	13C4	6150	6	5N	13W	1939	2,3,4	3						
(TETON RIVER)									North Fork Jocko	13B7	6330	3	17N	17W	1941	3,4	4						
Fright Creek	12A1	6000	13	26N	10W	1948	3,4	1	Picnic Grounds	12C6	6500	22	5N	6W	1940	2,3,4	3						
Waldrum Creek	12B2	5600	16	25N	9W	1948	3,4	1	Pipestone Pass	12D1	7200	11	1N	7W	1938	2,3,4,5	1						
West Fork	12B1	6000	6	25N	9W	1948	3,4	1	Rainy Lake	13B6	4300	11	18N	16W	1947	3,4,5	1						
(SUN RIVER)									Skalkaho Summit	13C3	7258	30	6N	17W	1937	4	1						
Bench Mark	12B8	5500	9	20N	10W	1948	3,4	1	Slide Rock Mountain	13C2	7100	26	10N	16W	1937	4	1						
Cabin Creek	12B9	5400	33	23N	10W	1949	3,4	1	Southern Cross	13C5	6500	9	5N	13W	1939	2,3,4	3						
5-Bull	12B9	5600	30	20N	10W	1948	3,4	1	Stemple Pass	13C1	6900	16	13N	7W	1934	3,4,5	2						
Gates Park	12B5	5300	31	24N	10W	1949	3,4	1	Storm Lake No. 2	12C7	7780	19	LN	13W	1939	4	1						
Goat Mountain	12B7	7000	20	22N	10W	1944	3,4	2	Stuart Mill	13C6	6500	19	5N	13W	1939	2,3,4	3						
My Lake	12B9	7300	21	23N	12W	1950	3,4	1	Stuart Mountain # 1	13C1	7100	6	1LN	18W	1936	4	1						
Wrong Creek Ridge	12B3	6800	17	25N	10W	1949	3,4	1	Tennile Creek, Lower	12C2	6250	13	8N	6W	1935	1,2,3,4,5	2						
Wrong Creek	12B4	5700	32	25N	10W	1949	3,4	1	Tennile Creek, Middle	12C3	6800	13	8N	6W	1935	1,2,3,4,5	2						
(MARIAS RIVER)									Tennile Creek, Upper	12C4	8000	19	8N	5W	1935	1,2,3,4,5	2						
Marias Pass	13A5	5250	34	30N	14W	1936	1,2,3,4,5	2	PEND OREILLE RIVER														
Snow Lab. #10	13A9	5200	15	29N	14W	1947	1,2,3,4,5	2</															

SUPPLEMENTAL INDEX LISTS OF SNOW SURVEY COURSES
IN ADJACENT BASINS, USED IN THIS REPORT AND
SHOWN ON THE INDEX MAP

DRAINAGE AND SNOW COURSE	Adj. State No.	Mont. No.	Elev. Feet	Section Lat.	Twp.	Range Long.	Record Began	Measure- ment Dates	Measured By
<u>MISSOURI</u>									
<u>JEFFERSON</u>	Idaho								
Kilgore	10	11E12	6200	6	12N	39E	1937	1,2,3,4,5	pd. obs.
Blue Ridge Mine	5	11E11	6700	27	13N	38E	1938	4	pd. obs.
Camp Creek	6	12E3	6800	21	13N	36E	1936	1,2,3,4	1
Moose Creek	8	13D16	6200	22-27	27N	21E	1937	3,4,5	1
Big Springs	3	11E9	6500	34	19N	44E	1936	1,2,3,4,5	10
Island Park	9	11E10	3600	28	13N	43E	1936	1,2,3,4,5	10
Valley View	17	11E8	6500	7	15N	44E	1936	1,2,3,4	10
<u>UPPER YELLOWSTONE</u>	Wyo.								
Lewis Lake Div.	9	10E9	7900	44-13		110-40	1919	1,2,3,4	10
Aster Creek	2	10E8	7700	44-17		110-37	1919	1,2,3,4	10
Tom Thumb Summit		10E7	7900	44-22		110-35	1949	3,4	10
<u>LOWER YELLOWSTONE</u>	Wyo.								
(Wind River)									
Togwotee Pass	12	10F1	9600	29	44N	110W	1936	2,3,4,5	10
Kendall	25	9F12	7900	23	38N	110W	1936	3,4,5	1
Loomis Park	26	10F4	8500	14	37N	111W	1942	3,4,5	1
Yellows Jacket	14	10F5	6775	33	42N	112W	1936	3,4,5	1
Black Rock	2	10F3	8600	4	44N	111W	1936	2, 4	10
Dutch Joe	23	9G6	8700	32	31N	104W	1936	4,5	1
Mulligan Park	24	9G5	8900	17	35N	108W	1936	3,4,5	1
<u>KOOTENAI</u>	Idaho								
<u>Smith Creek</u>	13	16A1	4800	29	64N	3W	1937	4,5	1
Canada									
Fernie	10		3500	49-31		115-01	1939		
Gray Creek	34		5100	39-37		116-41	1948		
Marble Canyon	32		5000	51-12		116-09	1947		
Nelson Creek	19		3050	44-25		117-14	1938		
Sinclair Fass	8A		4500	50-40		115-58	1947		
Sullivan Mine	20A		5100	49-43		116-01	1945		
Upper Elk River	41		4400	50-01		114-56	1947		
Kimberley	20		3800	49-41		115-59	1945		
<u>UPPER CLARK FORK</u>	Idaho								
49 Meadows	1	15B10	5000	6	43N	5E	1937	1,2,3,4,5	1
Lookout	10	15B2	5250	4	47N	6E	1921	1,2,3,4,5	1
Above Roland	2	15B7	4350	35	47N	6E	1926	3	12*
Below Roland	3	15B6	3770	34	47N	6E	1926	3	12*
Sunset	16	15B9	5600	28	49N	5E	1921	3	12*
<u>PEND OREILLE</u>	Idaho								
<u>Mosquito Ridge</u>	9	16A4	5110	5	54N	2E	1937	4,5	1
<u>BITTERROOT</u>	Idaho								
Moose Creek	8	13D16	6200	22-27	27N	21N	1937	3,4,5	1
Kit Carson	3	14D3	4700	4	27N	16E	1937	4	1
Savage Pass	7	14C4	6000	18	36N	15E	1937	4	1
Powell Pasture	6	15C3	3700	27	27N	14E	1937	4	1
Packers Mdw.	5	14C2	5700	15	38N	15E	1937	2,3,4,5	1

*Washington Water Power Company

STORAGE IN RESERVOIRS OF MONTANA

MISSOURI RIVER BASIN

Reservoir Volumes in 10,000's of Acre Feet

RESERVOIR	Location or on Diversion from	Usable Capacity	Contents	Contents	April 1
			This Year	Last Year	10-Year Average
		April 1 1950	April 1 1949	1939-48	
Lake Sewall	Missouri	37.8	24.0	32.9	
Hauser Lake	Missouri	52.1	27.7	29.9	45.0
Ft. Peck Res.	Missouri	19,000.0	11,940.0	13,140.0	4,148.0
Ruby Res.	Ruby	38.5			
Harrison Lake	Willow Cr.	17.8			
Hebgen Res.	Madison River	345.0	216.6	268.4	240.8
Madison Res.	Madison River	41.0	35.4	35.2	
Smith River Res.	Smith River	10.7			
Gibson Res.	N.Fk. Sun River	105.0	46.6	70.1	75.6
Willow Creek	N.Fk. Sun-Willow Cr.	32.3	3.8	19.4	12.9
Pishkun Res.	N.Fk. Sun River	32.0	18.8	15.9	17.4
Lower Two Medicine L.	Two Medicine River	14.0	0	0	3.6
Four Horns Res.	Badger Creek	20.0	6.0	9.8	8.5
Birch Creek Res.	Birch Creek	30.0	21.3	29.3	24.0
Lake Francis Res.	Birch Creek	112.0	83.3	103.3	68.0
Ackley Lake	Judith River	5.8		5.2	
Durand Res.	N.Fk. Musselshell	7.0	6.4	3.6	
Dead Man Basin	Musselshell River	52.5		----	
Martinsdale Res.	So.Fk. Musselshell	23.1	11.0	13.6	
Fresno Res.	Milk River	127.2	17.7	74.5	
Nelson Res.	Milk River	66.8	5.7	33.5	@73.9
Glacier Lake	Rock Creek	4.2		5.4	----
Mystic Lake	W.Rosebud Creek	20.8	4.3	5.6	30.9
Cooney Res.	Red Lodge Creek	27.5	14.1	5.4	3.5
Tongue Res.	Tongue River	73.9	10.9		
Sherburne Lake Res.	Swiftcurrent Creek	66.1			17.6
Lake Helena	Missouri River	10.4	1.1	1.6	
<u>YELLOWSTONE RIVER BASIN (Wyoming)</u>					
Buffalo Bill	Shoshone	456.6		172.9	267.7
Sunshine	Greybull	52.0		----	
Pilot Butte	Wind River	30.1		13.1	18.2
Bull Lake	Wind River	155.0		40.0	56.8
<u>COLUMBIA RIVER BASIN</u>					
Georgetown Lake	Flint Creek	31.0	18.4	26.4	@23.5
E.Fk.Rock Cr. Res.	E.Fk. Rock Creek	16.0			
Nevada Creek Res.	Nevada Creek	12.6		7.6	
W.Fk.:Bitterroot Res.	E.Fk. Bitterroot	31.7	3.5	10.0	
Como Lake	Rock Creek	34.8			
Flathead Lake(Sommers)	Flathead River	1,791.0	614.9	561.7	616.4
Little Bitterroot	Little Bitterroot	37.1	29.0*	36.1*	@10.6*
Dry Fork Res.	Dry Fork Creek	6.7	4.9*	3.8*	@ 2.5*
Mission Valley Reservoirs	Mission Valley (Flathead River)	105.0	31.8**	32.3**	@34.4**

* Comprise two reservoirs on Dry Creek

* Comprise two reservoirs on Little Bitterroot River

**Comprise nine small reservoirs on Mission Valley Project Indian Reclamation Service

@ 5-Year average 1944-48

PRECIPITATION DATA FOR APRIL 1, 1950

STATIONS	1949			1950			March			Accum. Sum			Dep. From Normal
	Oct.	Nov.	Dec.	Jan.	Feb.	Precip.	Dep.	From Normal	To Date	Accum.	Sum		
<u>WEST OF DIVIDE</u>													
Butte	0.62	0.53	0.34	0.66	0.29	1.70	1.08	4.14		4.14		1.01	
Deerlodge	0.21	0.27	0.31	0.67	0.07	0.80	0.19	2.33		2.33		-1.04	
Hamilton	1.20	2.03	0.71	2.23	0.84	----							
Kalispell	0.98	1.42	0.97	1.94	0.82	1.66	0.71	7.79		7.79		0.27	
Missoula	0.74	0.72	0.65	1.75	0.50	0.58	-0.23	4.94		4.94		-0.15	
Trout Creek	2.89	5.28	6.60	8.71	5.20	4.71	1.66	33.39		33.39		13.62	
Thompson Falls	2.05	2.95	3.51	4.71	2.25	2.76	0.83	18.23		18.23		6.66	
(Average)	1.24	1.89	1.89	2.95	1.42	2.03	1.18	11.80		11.80		4.03	
<u>CENTRAL DIVISION</u>													
Babb	1.61	0.57	1.64	1.48	0.14	----							
Dillon	1.19	0.13	0.18	0.17	0.05	----							
Fort Benton	1.86	0.23	1.28	0.62	T	2.15	1.53	6.14		6.14		2.55	
Great Falls	.90	0.05	0.53	0.91	0.01	2.14	1.28	4.54		4.54		0.22	
Havre	1.41	0.03	0.86	0.92	0.24	1.51	1.00	4.97		4.97		1.34	
Helena WBO	0.28	0.15	0.37	1.05	0.14	0.82	0.03	2.81		2.81		-0.46	
Livingston	1.40	0.51	0.53	1.20	0.23	1.52	0.66	5.39		5.39		0.88	
Lewistown Arpt.	1.82	0.18	1.78	----	----	----							
Mystic Lake	2.32	0.04	1.41	2.81	0.78	1.63	-0.42	8.99		8.99		0.26	
Summit (Marias)	3.06	5.13	8.73	9.35	3.55	4.94	1.66	33.47		33.47		15.93	
Yellowstone Park Wy.	1.89	9.81	1.03	2.32	0.65	1.60	-0.02	6.70		6.70		-1.60	
(Average)	1.61	0.71	1.67	2.08	0.64	2.04	0.78	9.13		9.13		2.93	
<u>EASTERN DIVISION</u>													
Billings #2	2.21	0.02	0.72	0.69	0.31	0.80	-0.04	4.75		4.75		0.31	
Circle	1.15	0.06	0.39	0.23	0.43	-0.57	3.65					-1.80	
Fraser	0.90	0.05	0.50	1.19	0.56	1.05	0.35					1.00	
Malta	1.25	0	0.62	0.90	0.25	0.74	0.20					0.78	
Mildred	1.69	T	0.51	0.19	0.33	0.71	0.29					0.99	
Medicine Lake	0.50		T	0.35	0.87	0.18	0.53					0.03	
Miles City	2.43	0.02	0.20	0.22	----	----							
Fort Peck	0.67	T	1.04	0.85	0.51	----							
(Average)	1.35	0.02	0.54	0.66	0.34	0.71	0.06	3.54		3.54		0.22	



MONTANA SNOW SURVEYS April 1, 1950

MISSOURI BASIN DRAINAGE BASIN AND SNOW COURSE *	No.	Elev. Survey 1950	Date of Survey 1950	Snow Depth (In.)	Water Content (Inches)			Years of Record	
					Average Data April 1				
					Past 1949	Records 1948	Avg.		
JEFFERSON RIVER (Rock-Beaverhead)									
Lakeview Ridge	11E3	7400	3/31	46.9	11.6	10.0	10.5	3	
Lakeview Canyon	11E4	6930	3/31	56.8	10.3	12.7	11.4	3	
Limekiln	11E2	6950	1/23	3.8	0.8	4.1	2.6	3	
White Pine Ridge	11E1	8850	1/23	24.8	7.2	7.2	7.4	3	
Kilgore Creek	11E12	6200	1/29	44.0	15.5	11.0	8.4	14	
Camp Creek	12E3	6800	3/28	43.0	13.9	10.7	8.1	15	
Blue Ridge Mine (Horse Prairie)	11E11	6700	3/27	68.0	26.1	16.7	10.7	13	
Bloody Dick	13D10	7600	3/15	39.2	11.6	10.3	8.44	126.0	
Gold Stone	13D9	8100	3/15	50.4	15.2	19.0	13.0	3	
Lemhi Pass	13E1	7400	3/21	32.4	9.5	11.8	11.2	3	
Terrell Creek	13D12	6650	3/21	10.2	3.0	6.0	3.6	3	
Trail Creek	13E2	7090	3/21	26.6	7.4	10.4	0.5	3	
Selway Junction (Big Hole)	13D11	6500	3/21	26.1	7.5	9.2	6.8	3	
				AVERAGE	41.0	12.2	10.3	9.66	
Big Hole Pass	13D3	7440	1/16	3.2	18.2	24.5	4.9	3	
Big Hole Pass (Below)	13D4	3900	1/16	7.2	15.4	19.6	2.4	3	
East Boundary	13D5	6700	1/16	9.3	8.8	11.8	7.5	3	
Jahnke Creek	13D8	7340	1/15	17.8	10.8	14.4	9.1	3	
Miner Forks	13D6	7300	1/14	39.0	11.4	13.8	10.4	3	
Miner Lake	13D7	6720	1/14	26.6	7.6	10.6	7.6	6	
Moose Creek (Wise River)	13D16	6200	1/3	54.0	18.4	21.2	18.6	14	
Anderson Meadow	13D14	7000	3/17	46.4	15.1	18.1	12.9	3	
Elk Horn	13D15	8450	4/1	27.6	8.3	10.6	6.9	2	
Wise River	13D13	6300	1/17	34.5	10.0	13.6	9.4	3	
				AVERAGE	15.0	7.4	4.8	5.8	
(Ruby River)									
Cottonwood	11E2	5900	1/24	35.5	11.5	11.9	7.3	3	
Cottonwood (Upper)	11E1	3400	1/24	39.0	12.1	11.6	8.5	3	
Flashlight	12D3	6950	1/22	14.5	4.2	6.7	5.9	6	
Tobacco Root	12D2	6900	3/25	35.6	11.4	13.3	10.8	3	
Vigilante	11D1	6125	3/24	4.2	1.0	0.0	2.2	3	
				AVERAGE	33.3	8.1	6.9	7.9	

MONTANA SNOW SURVEYS April 1, 1950

MISSOURI BASIN DRAINAGE BASIN AND SNOW COURSE **		No.	Elev. Survey 1950	Date of Survey 1950	Snow Depth (In.) 1950	April 1 1950	Water Content (inches)			Years of Record
							Average Data			
							April 1 1948	Past Records	Avg. % Avg. %	
MADISON RIVER										
Hebgen	11E5	6550	3/30	42.2	14.0	14.6	11.7	12.2	11.5	16
West Yellowstone	11E7	6700	3/31	42.5	14.2	14.4	9.0	11.0	12.9	14
21-Mile	11E6	7150	3/31	61.3	21.0	20.6	14.4	16.3	12.9	14
Big Springs	11E9	6500	3/28	74.0	25.9	27.8	18.1	20.4	12.6	15
Island Park	11E10	3600	3/29	65.0	21.6	22.5	13.8	15.3	14.1	15
Valley View	11E8	6500	3/29	32.0	19.5	18.8	12.8	14.6	13.4	15
			AVERAGE	57.8	19.4	19.8	13.3	14.9	13.0	
GALLATIN RIVER										
Devil's Slide	10D4	8100	4/1	70.6	20.2	20.8	27.4	19.8	10.2	12
Hood Meadow	10D3	6600	4/1	28.4	7.3	10.9	13.3	8.3	8.8	12
Mystic Lake	10D2	6600	3/30	28.6	8.4	10.7	8.1	8.5	9.9	14
New World	10D1	6700	3/30	38.8	10.8	11.4	16.0	9.8	11.1	12
21-Mile	11E6	7150	3/31	61.3	21.0	20.6	14.4	16.3	12.9	14
			AVERAGE	45.5	13.5	14.9	15.8	12.5	10.8	
MISSOURI RIVER MAIN STEM										
Chessman Reservoir	12C5	6200	4/1	15.6	4.4	7.6	9.2	4.6	9.6	15
Crystal Lake	9C1	6100	4/1	39.4	10.5	15.4	16.3	12.2	8.6	10
Grasshopper	10C2	7000	3/29	22.4	5.8	8.1	6.8	5.2	11.1	13
Kings Hill	10C1	7950	4/4	56.3	17.1	16.9	13.1	13.1	13.0	12
Pipestone Pass	12D1	7200	3/31	20.2	4.2	7.9	7.4	5.6	7.5	12
Temple Pass	12C1	6900	3/31	14.2	11.6	13.5	10.3	9.4	12.3	12
Tennile, Lower	12C2	6250	4/3	28.8	7.6	8.8	9.1	6.2	14.2	15
Tennile, Middle	12C3	6800	4/4	48.9	12.8	12.8	14.1	10.2	13.3	15
Tennile, Upper	12C4	8000	4/3	54.3	15.8	14.8	18.1	13.1	12.1	15
			AVERAGE	36.7	9.8	11.8	11.6	8.84	11.3	
(Teton River)										
Fright Creek	12A1	3000	3/30	60.2	22.3	17.9	13.4	17.9	12.5	3
Waldron Creek	12B2	5600	3/29	30.8	10.7	9.5	6.0	8.7	12.4	3
West Fork	12B1	6000	3/29	63.0	24.6	19.9	13.6	19.4	12.7	3
			AVERAGE	51.3	19.2	15.8	11.0	15.3	12.6	

MONTANA SNOW SURVEYS April 1, 1950

MISSOURI BASIN DRAINAGE BASIN AND SNOW COURSE ***	No.	Elev. Survey 1950	Date of Snow Depth (In.) 1950	Water Content (Inches)				Years of Record	
				Average Data		April 1 1950	Past Records		
				April 1 1949	1948				
(Sun River)									
Benchmark	12B8	5500	3/28	35.2	12.0	9.3	11.4	112	
Cabin Creek	12B6	5400	4/5	28.7	9.5	0.0	0.0	2	
5-Bull	12B9	5600	3/28	27.3	9.2	8.8	8.9	3	
Gates Park	12B5	5300	4/4	39.9	13.1	11.7	0.0	2	
Goat Mountain	12B7	7000	3/31	50.0	15.2	15.4	10.0	12	
My Lake	13B9	7300	4/3	142.0	54.1	0.0	0.0	1	
Wrong Creek Ridge	12B3	6800	3/30	78.4	28.5	22.5	0.0	2	
Wrong Creek (Marias River)	12B4	5700	3/29	57.4	20.2	15.7	0.0	2	
Marias Pass	12B5	5250	3/31	AVERAGE	57.3	20.3	13.4	15	
Snow Lab. #16 (Milk River)	13A9	5200	3/28	83.0	28.7	21.4	18.9	4	
Rocky Boy	9A1	5200	3/31	AVERAGE	83.5	28.2	22.4	9	
UPPER YELLOWSTONE					83.3	28.5	21.9		
Camp Senia	901	7890	3/31	26.2	5.8	7.4	9.3	13	
Canyon	10E3	7750	3/31	58.5	18.5	18.3	12.7	5	
Cooke City	10D7	7400	3/31	32.7	8.4	10.6	10.1	14	
Crevice Mt.	10D5	8400	4/-	36.6	9.4	13.0	13.8	16	
Independence	10D6	8000	3/26	70.4	21.2	20.3	18.6	10	
Lake Camp	10E4	7850	3/31	45.5	13.6	15.2	11.5	116	
Lupine	10E1	7300	3/30	40.1	11.7	14.2	10.1	15	
Lewis Lake Divide	10E9	7000	3/16	127.0	45.4	47.1	31.8	12	
Astor Creek	10E8	7700	3/16	106.0	38.8	38.6	22.7	31	
Tom Thumb Summit (Shields River)	10E7	7900	3/16	81.0	28.6	27.4	16.9	32	
Porcupine (Musselshell River)	10C3	9200	4/1	AVERAGE	20.6	21.2	15.8	4	
Grasshopper					5.7	9.1	6.1		
					5.0	8.1	4.6		
					5.8	8.1	5.2	13	

MONTANA SNOW SURVEYS April 1, 1950

MISSOURI BASIN DRAINAGE BASIN AND SNOW COURSE **	No.	Elev. 1950	Date of Survey 1950	Snow Depth (In.) 1950	Water Content (Inches) April 1 1949	Past Records 1948	Average Data April 1			Years of Record
							Avg.	%Avg.		
							Avg.	%Avg.		
LOWER YELLOWSTONE (Wind River)										
Brooks Lake #3	10F2	9200	3/29	93.7	31.8	26.2	21.1	21.0	152	15
Burroughs Creek	9F6	8800	3/31	58.4	19.8	13.9	0.0	0.0	00	2
Dinwoodie	9F10	10000	3/28	58.2	18.6	0.0	0.0	0.0	00	1
Dry Creek	9F9	9500	3/28	38.9	10.5	0.0	0.0	0.0	00	1
Du Noir	9F2	8750	3/30	42.9	13.4	10.5	7.5	9.7	138	10
Geyser Creek	9F3	8500	3/30	38.4	11.3	10.1	0.0	0.0	00	2
Hobbs Park	9G2	10000	3/27	76.2	27.7	22.8	0.0	0.0	00	2
Little Warm	9F4	9500	3/30	65.2	22.1	17.0	0.0	0.0	00	2
Mosquite Park	9G3	9500	3/27	47.0	14.3	10.4	0.0	0.0	00	2
Sheridan	9F1	7500	3/29	29.7	7.7	8.6	6.0	6.3	122	15
St. Lawrence	9F11	9000	3/26	39.2	10.5	9.6	4.9	8.2	129	7
T-Cross Ranch	9F5	8000	3/31	27.5	7.7	7.3	5.6	6.6	117	10
Trout Creek	9G1	8400	3/27	24.2	7.1	8.2	0.0	0.0	00	2
Togwotee Pass	9F1	9600	3/27	116.0	28.4	32.0	27.4	28.0	137	15
Kendall	9F12	7900	4/1	46.1	13.1	15.0	6.3	11.2	117	14
Loomis Park	10F5	8500	4/1	69.2	26.6	19.6	15.3	16.5	161	15
Black Rock	10F3	8600	3/27	89.0	28.9	23.6	20.3	21.0	138	15
(Popo Agie River)					AVERAGE	56.4	18.2	15.6	12.7	134
Blue Ridge	8G2	9500	4/2	54.2	19.1	15.9	10.8	10.9	175	11
Grannier Meadows	8G4	9000	4/2	67.9	24.3	17.5	14.2	12.8	190	14
Larsen Creek	9G4	9000	4/3	70.0	22.8	0.0	0.0	0.0	00	1
Sawmill Glade	8G1	8500	4/2	18.9	6.2	8.0	10.2	6.1	102	11
South Pass	8G3	9000	4/2	66.1	23.7	17.6	11.0	13.4	177	11
Mulligan Park	9G5	8900	4/1	48.9	15.0	11.1	7.0	10.5	143	15
Dutch Joe	9C6	8700	4/1	36.6	11.2	0.0	0.0	0.0	00	1
BIG HORN RIVER (Wyoming)					AVERAGE	51.8	17.4	14.0	10.7	158.0
Beavers Mill	9F8	8000	4/6	40.2	8.9	7.9	0.0	0.0	00	2
Owl Creek	8F1	8700	4/5	27.8	6.2	6.6	0.0	0.0	00	2
Tensleep R. S.	7E3	8300	3/31	32.2	8.4	8.5	6.3	6.9	122	14
Timber Creek	9E2	9000	3/31	16.5	4.7	7.5	0.0	0.0	00	2
Ranger Creek	7E1	8800	4/2	44.5	9.3	9.8	8.0	8.2	113	14
Wood River	9E7	8000	3/30	18.2	5.0	7.4	6.1	5.5	91	9
					AVERAGE	29.9	7.1	6.9	102.0	6.9

MONTANA SNOW SURVEYS April 1, 1950

**MISSOURI BASIN
AND
SNOW COURSE ****

	No.	Elev. of Survey 1950	Date Snow Depth (In.) 1950	Water Content (Inches)			Years of Record
				April 1 1950	Past Records 1949	Average 1948	
SHOSHONE RIVER							
East Entrance	10E6	7000	3/31	32.8	11.3	0.0	2
Sylvan Pass	10E5	7100	4/1	52.6	18.6	13.3	13
TONGUE RIVER							
Burgess Junction	7E4	7900	3/20	43.7	17.7	0.0	1
Big Goose	7E2	7700	3/20	12.9	2.5	0.0	14
Dome Lake	7E5	8800	3/20	31.8	5.9	4.2	1
POWDER RIVER							
Muddy Pass	7E7	9700	3/16	31.4	8.4	0.0	1
Sour Dough	6F1	8500	4/3	25.3	5.1	8.0	14
Soldier Park	7E6	8700	3/17	20.8	4.6	0.0	1
COLUMBIA RIVER DRAINAGE IN MONTANA							
KOOTENAI							
Raree Mountain	15BI	3000	3/31	151.8	61.3	55.2	12
Blue Bird Basin	14A1	6800	3/31	136.8	46.3	37.7	12
Brush Creek	14A4	5000	3/29	61.7	18.9	19.0	6
Fernie	Canada	3500	3/31	45.9	14.9	7.7	12
Ferguson	Canada	2900	3/31	59.1	22.9	21.1	11
Gerrard	Canada	6000	3/31	35.3	16.1	12.5	14
Gray Creek	Canada	5100	3/30	76.5	24.0	20.5	3
Marble Canyon	Canada	3800	3/31	37.0	11.2	7.1	12
Nelson Creek	Canada	5000	3/31	57.0	15.7	13.0	4
Red Mountain Mont.	15A1	6000	4/4	87.4	30.4	21.3	12
Sandon	Canada	3500	3/31	44.7	14.5	12.8	11
Sinclair Pass	Canada	4500	3/31	49.6	19.9	18.8	12
Smith Creek	16A1	4800	3/31	87.4	30.4	21.3	6
Sullivan Mine	Canada	5100	4/1	64.7	21.1	15.3	4
Upper Elk River	Canada	4400	3/31	36.2	10.9	7.5	3
AVERAGE							
						71.3	20.1

	No.	Elev. of Survey 1950	Date Snow Depth (In.) 1950	Water Content (Inches)			Years of Record
				April 1 1950	Past Records 1949	Average 1948	
MISSOURI BASIN							
AND							
SNOW COURSE **							
East Entrance	10E6	7000	3/31	32.8	11.3	0.0	2
Sylvan Pass	10E5	7100	4/1	52.6	18.6	13.3	13
TONGUE RIVER							
Burgess Junction	7E4	7900	3/20	43.7	17.7	0.0	1
Big Goose	7E2	7700	3/20	12.9	2.5	0.0	14
Dome Lake	7E5	8800	3/20	31.8	5.9	4.2	1
POWDER RIVER							
Muddy Pass	7E7	9700	3/16	31.4	8.4	0.0	1
Sour Dough	6F1	8500	4/3	25.3	5.1	8.0	14
Soldier Park	7E6	8700	3/17	20.8	4.6	0.0	1
COLUMBIA RIVER DRAINAGE IN MONTANA							
KOOTENAI							
Raree Mountain	15BI	3000	3/31	151.8	61.3	55.2	12
Blue Bird Basin	14A1	6800	3/31	136.8	46.3	37.7	12
Brush Creek	14A4	5000	3/29	61.7	18.9	19.0	6
Fernie	Canada	3500	3/31	45.9	14.9	7.7	12
Ferguson	Canada	2900	3/31	59.1	22.9	21.1	12
Gerrard	Canada	6000	3/31	35.3	16.1	12.5	11
Gray Creek	Canada	5100	3/30	76.5	24.0	20.5	14
Marble Canyon	Canada	3800	3/31	37.0	11.2	7.1	12
Nelson Creek	Canada	5000	3/31	57.0	15.7	13.0	4
Red Mountain Mont.	15A1	6000	4/4	87.4	30.4	21.3	12
Sandon	Canada	3500	3/31	44.7	14.5	12.8	11
Sinclair Pass	Canada	4500	3/31	49.6	19.9	18.8	12
Smith Creek	16A1	4800	3/31	87.4	30.4	21.3	6
Sullivan Mine	Canada	5100	4/1	64.7	21.1	15.3	4
Upper Elk River	Canada	4400	3/31	36.2	10.9	7.5	3
AVERAGE							
						71.3	20.1

MONTANA SNOW SURVEYS April 1, 1950

MISSOURI BASIN

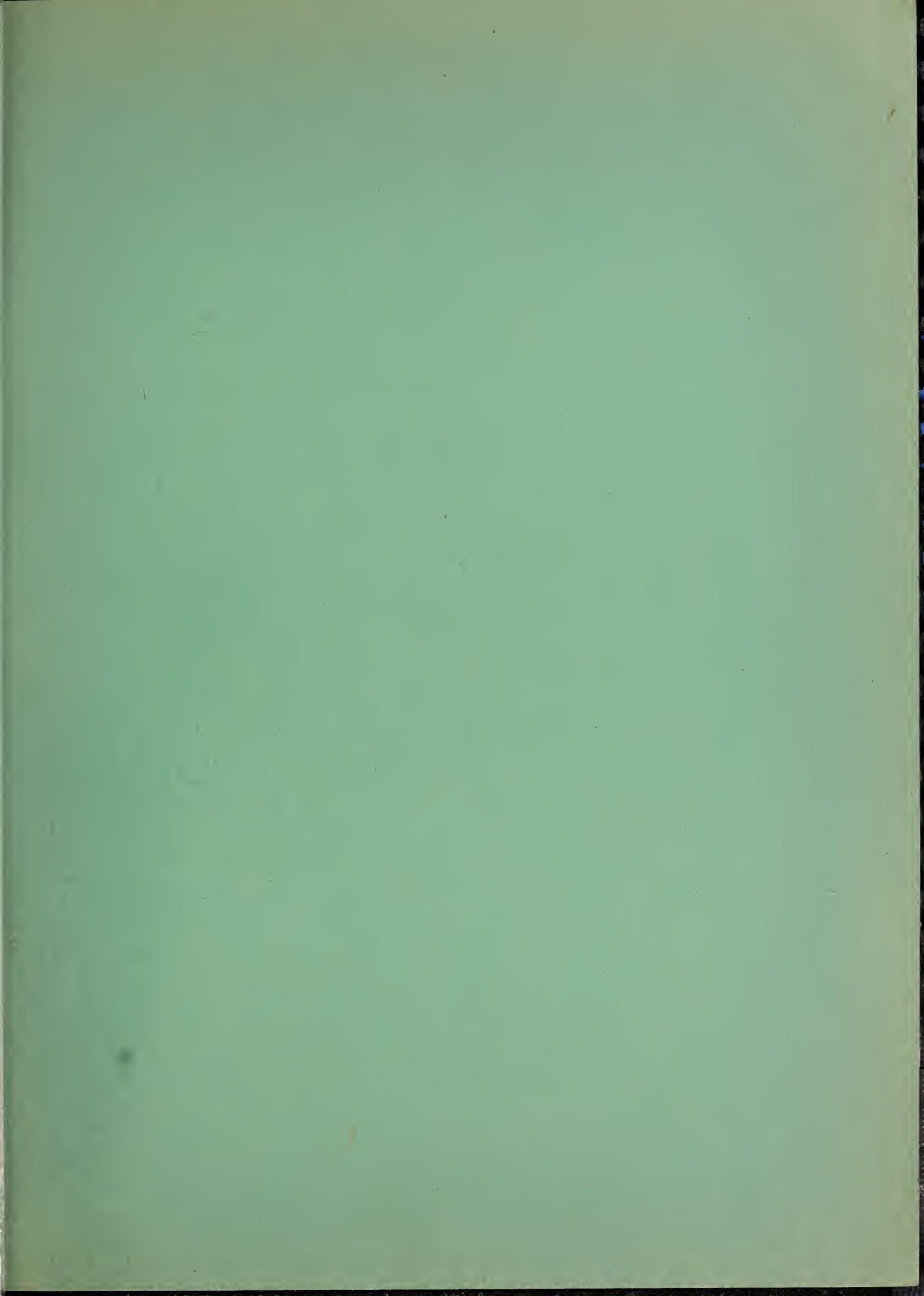
DRAINAGE BASIN
AND
SNOW COURSE **

No.	Elev. of Survey 1950	Date of Survey 1950	Snow Depth (In.) 1950	Water Content (Inches)			Years of Record	
				Average Data				
				April 1 1950	Past Records 1949	April 1 1948		
FLATHEAD RIVER								
Big Creek	13B3	6750	3/30	151.0	53.8	45.8	8	
Brush Creek	14A4	5000	3/29	61.7	18.9	12.0	6	
Cettie Queen	13A1	4700	4/2	120.7	45.3	35.5	12	
Desert Mountain	13A2	5600	3/31	71.8	23.3	19.3	12	
Hell Roaring Divide	14A3	5700	5/31	11.3	37.6	34.0	7	
Kishlorn	14A2	4300	3/30	40.3	10.7	8.0	5	
Limestone Pass	13B8	7600	4/1	141.7	54.7	46.3	3	
Logan Creek	14A5	4300	3/30	39.1	10.3	12.5	12	
Marias Pass	13A5	5250	3/31	83.0	28.7	21.4	15	
North Fork Jocko	13B7	6330	4/1	149.0	56.2	0.0	9	
Rainy Lake	13B6	4300	3/30	44.0	18.9	14.5	4	
Snow Lab. #16	13A9	5200	3/28	83.5	28.2	22.4	4	
Spotted Bear Mt.	13B2	7000	3/29	50.8	19.2	19.6	2	
Strawberry Lake	13B10	6500	4/30	166.3	59.1	47.8	3	
Trinkus Lake	13B1	6500	3/29	156.4	57.3	45.0	3	
Trout Lake	13B11	3600	3/30	76.4	27.0	21.0	3	
Upper Holland Lake	13B5	7000	4/5	125.6	50.8	0.0	1	
				AVERAGE	98.4	35.3	0.0	
UPPER CLARK FORK								
Chessman Res.	12C5	6200	4/1	15.6	4.4	7.6	15	
East Fork R. S.	13D1	5400	3/31	-	23.7	7.6	12	
El Dorado Mine	13C9	7800	4/4	88.6	27.7	26.7	2	
Gold Creek Lake	13C8	7200	4/4	68.0	20.4	26.7	1	
Intergaard	13C4	6450	4/13	28.9	8.0	10.8	6	
North Fork Jocko	13B7	6530	4/1	145.0	56.3	0.0	9	
Pipestone Pass	12D1	7200	3/31	20.2	4.2	46.2	142	
Rainy Lake	13B6	4200	3/30	44.0	18.9	7.4	75	
Skalkaho Summit	13C3	7258	4/3	96.6	24.0	34.6	12	
Slide Rock	13C2	7100	4/5	62.6	18.8	29.2	14	
Stemple Pass	13C1	6900	4/4	44.2	11.6	19.1	12	
Storm Lake #2	12C7	12C7	4/4	56.6	16.7	19.7	12	
Stuart Mill	13C6	6500	4/13	21.6	7.2	9.5	6	
Stuart Mount. #1	13C1	7400	4/2	103.5	37.9	33.3	13	
Pienic Grounds	13C6	6500	4/13	10.0	2.6	4.7	5	
Southern Cross	13C5	6500	3/13	15.4	4.0	7.3	6	

MONTANA SNOW SURVEYS April 1, 1950

MISSOURI BASIN DRAINAGE BASIN AND SNOW COURSE #*	No.	Elev.	Survey 1950	Date of Survey 1950	Snow Depth (In.) 1950	Water Content (Inches) April 1 1950	Average Data			Years of Record
							Past Records		April 1 1948	
							1949	1950	Avg.	
UPPER CLARK FORK (Continued)										
Tennile, Lower	12C2	6250	4/3	28.8	7.6	8.8	9.1	6.2	14.2	15
Tennile, Middle	12C3	6800	4/4	48.9	12.8	12.8	14.1	10.2	12.2	15
Tennile, Upper	12C4	8000	4/3	54.3	15.8	14.8	18.1	13.1	12.1	15
Lookout	15B2	5250	4/4	121.0	47.5	47.5	57.7	17.7	26.0	6
Above Roland	15B7	4350	3/10	98.7	35.0	35.0	35.0	35.0	35.0	1
Roland	15B6	3770	3/10	129.6	45.4	45.4	45.4	45.4	45.4	1
Below Roland				53.8	18.4	18.4	18.4	18.4	18.4	1
Above Burke		4100	3/6	79.6	26.8	26.8	26.8	26.8	26.8	2
Sunset	15B9	5600	3/7	117.5	34.0	34.0	34.0	34.0	34.0	1
			AVERAGE	69.2	22.2	22.2	18.3	14.0	15.3	
PEND OREILLE										
Baree Mt.	13B1	6000	3/31	151.8	61.3	52.2	10.6	38.8	158	12
Freezeout Summit	15C3	7000	4/5	132.7	36.6	37.6	33.7	0.0	109	14
Hodoo Creek	13C1	6200	4/5	176.0	70.0	59.5	42.0	45.6	154	14
Mosquito Ridge	16A4	5600	4/3	178.0	50.6	14.5	31.5	34.3	151	14
			AVERAGE	147.6	54.4	40.9	37.1	37.2	143	
BITTERROOT										
East Fork R. S.	13D1	5400	3/31	23.7	7.6	10.8	6.5	4.8	158	12
Gibbons Pass	13D2	7100	3/31	84.4	30.0	29.0	23.0	21.5	139	12
Hud Creek Pasture	14C1	4500	4/1	23.3	8.2	13.4	8.7	6.4	128	14
Nezperce Camp	4D2	5580	4/5	46.2	16.0	20.8	14.9	13.0	123	14
Nezperce Pass	14D1	6575	4/5	59.6	20.0	24.0	23.6	16.9	118	14
Skalkaho Summit	13C3	7258	4/3	96.6	24.0	34.6	29.2	22.8	105	12
Stuart Mt. #1	13C1	7400	4/2	103.5	37.9	23.3	38.0	28.6	134	13
Moose Creek	13D16	6200	4/3	54.0	18.4	21.0	18.0	15.4	120	14
Kit Carson	14D3	4700	4/6	27.6	9.0	9.0	9.0	64.7	139	12
Savage Pass	14C4	6000	5/29	106.1	34.4	34.4	34.4	22.8	151	8
Powell Pasture	15C3	3700	3/30	55.0	20.4	20.4	20.4	12.3	166	11
Packers Meadow	14C2	5700	4/1	77.7	31.1	31.1	31.1	20.8	150	14
			AVERAGE	71.2	24.2	24.2	24.2	21.7	129.4	





Federal - State - Private

COOPERATIVE SNOW SURVEYS

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Furnishes the basic data
necessary for forecasting
water supply for irrigation,
domestic and municipal water
supply, hydro-electric power
generation, navigation,
mining and industry

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"WATER IS THE WEST'S GREATEST RESOURCE"

